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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,681	07/23/2003	Kohshiro Inomata	116655	6682
25944 7590 12/29/2006 OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320			EXAMINER FIELDS, COURTNEY D	
			ART UNIT 2137	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			MAIL DATE	DELIVERY MODE
3 MONTHS			12/29/2006	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/624,681	INOMATA ET AL.	
	Examiner	Art Unit	
	Courtney D. Fields	2137	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 July 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>23 July 2002</u> .  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

1. Claims 1-15 are pending.

***Information Disclosure Statement***

2. The Information Disclosure Statement respectfully submitted on 23 July 2002 has been considered by the Examiner.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Barbir (US Patent No. 6,122,379).

Referring to the rejection of claims 1, 12, and 14, Barbir discloses a device, method, and computer readable medium for compressing and encrypting data, comprising:

a compressor for compressing original data with reference to a reference table  
(See Column 5, lines 41-44)

an encryptor for encrypting the reference table itself or information necessary to reconstruct the reference table (See Column 5, lines 66-67 and Column 6, lines 1-2)

and a multiplexor for multiplexing compressed data obtained from the compressor and encrypted data obtained from the encryptor to create multiplexed data,

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wherein the multiplexed data is output as an encryption result (See Column 6, lines 53-65)

Referring to the rejection of claims 2 and 9, Barbir discloses the claimed limitation wherein the reference table is a quantization table determining quantization step size when quantizing values of respective frequency components of the original data (See Column 8, lines 11-22)

Referring to the rejection of claims 3 and 10, Barbir discloses the claimed limitation wherein the reference table is a coding table determining a relationship between data values and code words when performing entropy encoding of data (See Column 7, lines 22-39)

Referring to the rejection of claim 4, Barbir discloses the claimed limitation wherein the encryptor encrypts parameters necessary for interpreting data acquired from decompression of the compressed data (See Column 8, lines 36-44)

Referring to the rejection of claim 5, Barbir discloses the claimed limitation wherein the encryptor further encrypts partial data extracted from the compressed data by the data extractor, and the multiplexor multiplexes data remaining having the partial data removed from the compressed data with the encryption result from the encryptor to generate multiplexed data (See Column 5, lines 49-67 and Column 6, lines 1-2)

Referring to the rejection of claim 6, Barbir discloses the claimed limitation wherein the compressor performs data compression using the reference table that has been changed by the reference table changing means (See Column 8, lines 3-10)

Referring to the rejection of claim 7, Barbir discloses the claimed limitation wherein the compressor performs data compression using the reference table that has been changed in size by the reference table changing means (See Column 6, lines 32-41)

Referring to the rejection of claim 8, Barbir discloses a device for reproducing original data by decompressing and decrypting data that has been compressed and encrypted, comprising:

- a demultiplexor for extracting compressed data and encrypted data from input multiplexed data (See Column 6, lines 53-65)

- a decoder for obtaining a reference table to be referenced when performing data decompression by decoding the encrypted data (See Column 5, lines 44-48)

- and a decompressor for referencing the reference table to decompress the compressed data, wherein decompressed data from the decompressor is output as a decoded result (See Column 5, lines 41-44)

Referring to the rejection of claim 11, Barbir discloses the claimed limitation wherein partial data necessary to restore the original data is removed from the compressed data, the encrypted data is the reference table and partial data that has been removed from the compressed data encrypted, the decoder obtains the reference table and the partial data by decoding the encrypted data, and the decompressor complements the compressed data using the partial data obtained by the decoder and carries out decompression of the complemented result by referencing the reference table (See Column 11, lines 54-67 and Column 12, lines 1-13)

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Referring to the rejection of claims 13 and 15, Barbir discloses a method and computer readable medium of decompressing and decrypting data that has been compressed and encrypted, comprising steps of:

extracting compressed data and encrypted data from input multiplexed data (See Column 6, lines 53-65)

restoring a reference table to be referenced when carrying out data decompression by decoding the encrypted data (See Column 5, lines 44-48)

and referencing the reference table to decompress the decompressed data and outputting the decompressed result (See Column 5, lines 41-44)

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Courtney D. Fields whose telephone number is 571-272-3871. The examiner can normally be reached on Mon - Thurs. 6:00 - 4:00 pm; off every Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

*Cdf*

cdf

December 23, 2006

*Cynthia Britt*  
*12-20-06*  
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PRIMARY EXAMINER  
A U 2138